

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1274638

Luminaire Tested: P3AS20R159830D010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

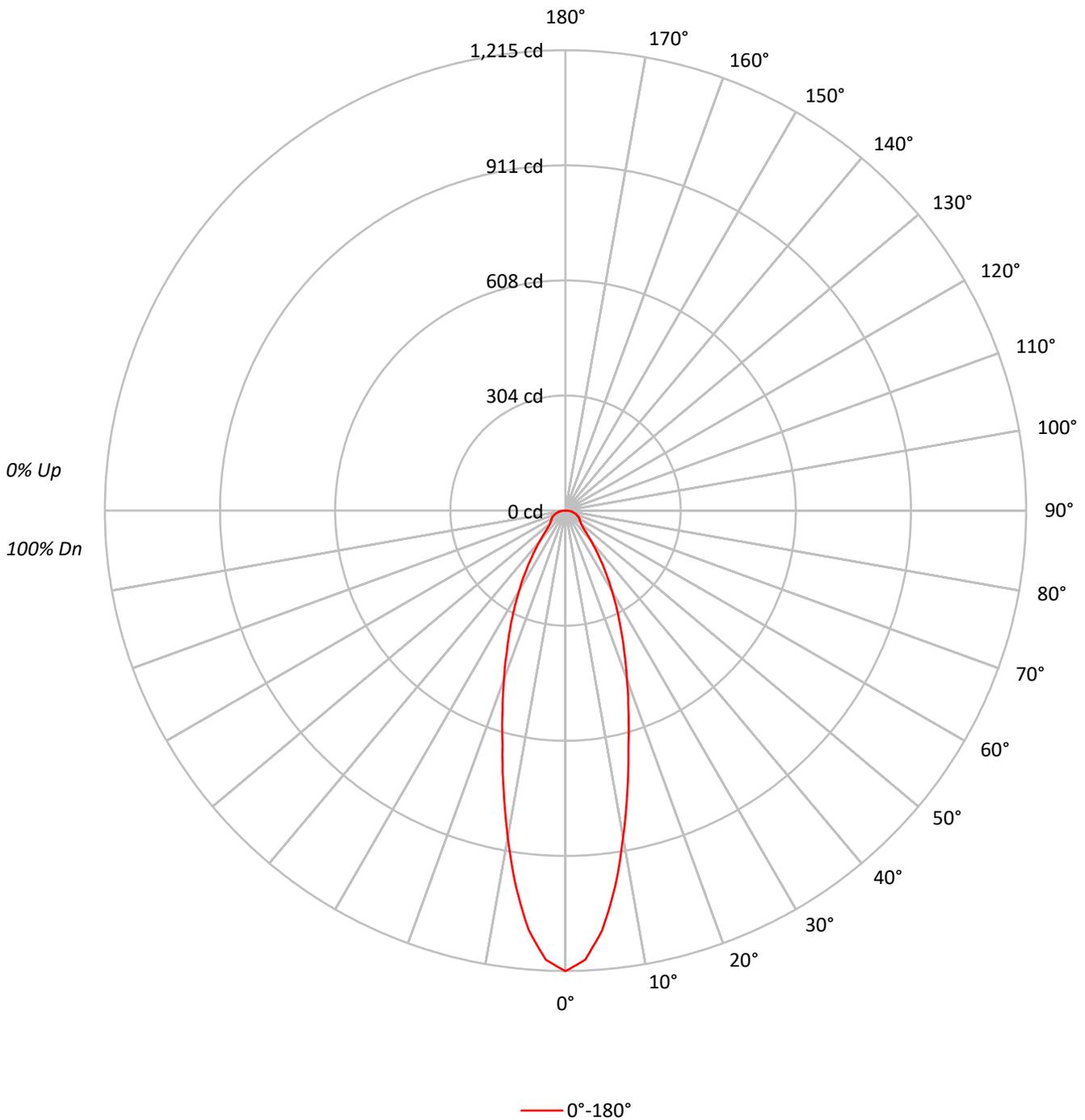
Test Method: LM-79-2019  
Report Number: P1274638  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R159830D010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 712.0 lumens  
Efficiency: N/A  
Efficacy: 26.0 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90			90
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81			81
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74			74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68			68
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63			63
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59			59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			55
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52			52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49			49
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46			46

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	266492
5°	244683
10°	194964
15°	145699
20°	110656
25°	83787
30°	61984
35°	44276
40°	30314
45°	21212
50°	18046
55°	17701
60°	18376
65°	19457
70°	19811
75°	20588
80°	22225
85°	22140

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 25872 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.4	13.8
10°-20°	180.0	25.3
20°-30°	159.5	22.4
30°-40°	104.4	14.7
40°-50°	55.8	7.8
50°-60°	42.2	5.9
60°-70°	36.3	5.1
70°-80°	25.1	3.5
80°-90°	10.2	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	438.0	61.5
0°-40°	542.4	76.2
0°-60°	640.4	89.9
0°-90°	712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1215	
5°	1112	98
15°	642	180
25°	346	159
35°	165	104
45°	68	56
55°	46	42
65°	38	36
75°	24	25
85°	9	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1215.3
2.5°	1186.6
5°	1111.6
7.5°	1001.3
10°	875.6
12.5°	754.3
15°	641.8
17.5°	551.4
20°	474.2
22.5°	405.8
25°	346.3
27.5°	293.3
30°	244.8
32.5°	202.9
35°	165.4
37.5°	132.3
40°	105.9
42.5°	83.8
45°	68.4
47.5°	59.6
50°	52.9
52.5°	50.7
55°	46.3
57.5°	44.1
60°	41.9
62.5°	39.7
65°	37.5
67.5°	33.1
70°	30.9
72.5°	26.5
75°	24.3
77.5°	19.9
80°	17.6
82.5°	15.4
85°	8.8
87.5°	4.4
90°	0.0

(END OF REPORT)